





STAAD.Pro Report

To:

From:

Copy to:

Date:

25/06/202
0 08:42:00

Ref:

ca/ Document1

Job Information

Engineer

Checked

Approved

Name:

Date:

05-Jun-20

Structure Type

SPACE FRAME

Number of Nodes

369

Highest Node

369

Number of Elements

708

Highest Beam

721

Number of Basic Load Cases

-2

Number of Combination Load Cases

2

Included in this printout are data for:

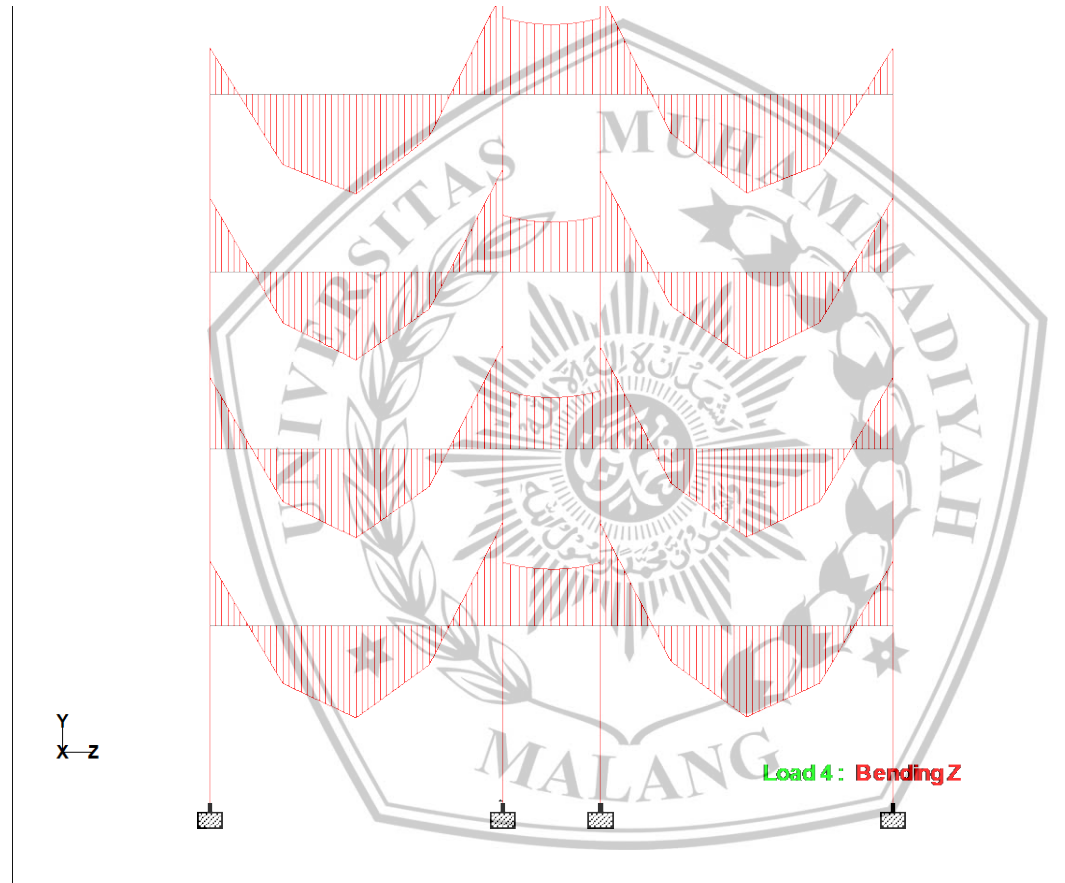
All

The Whole Structure

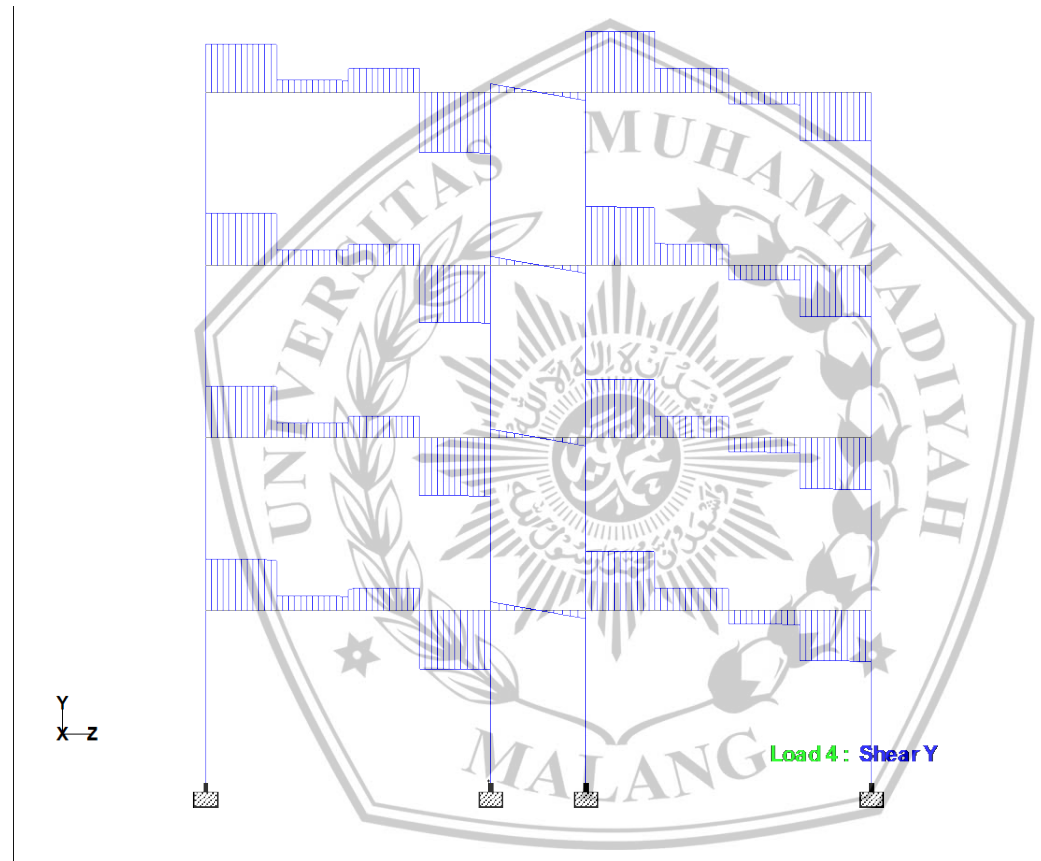
Included in this printout are results for load cases:

Type	L/C	Name
Primary	1	BEBAN MATI
Primary	2	BEBAN HIDUP
Primary	3	BEBAN GEMPA
Combination	4	BEBAN TETAP
Combination	5	BEBAN SEMENTARA



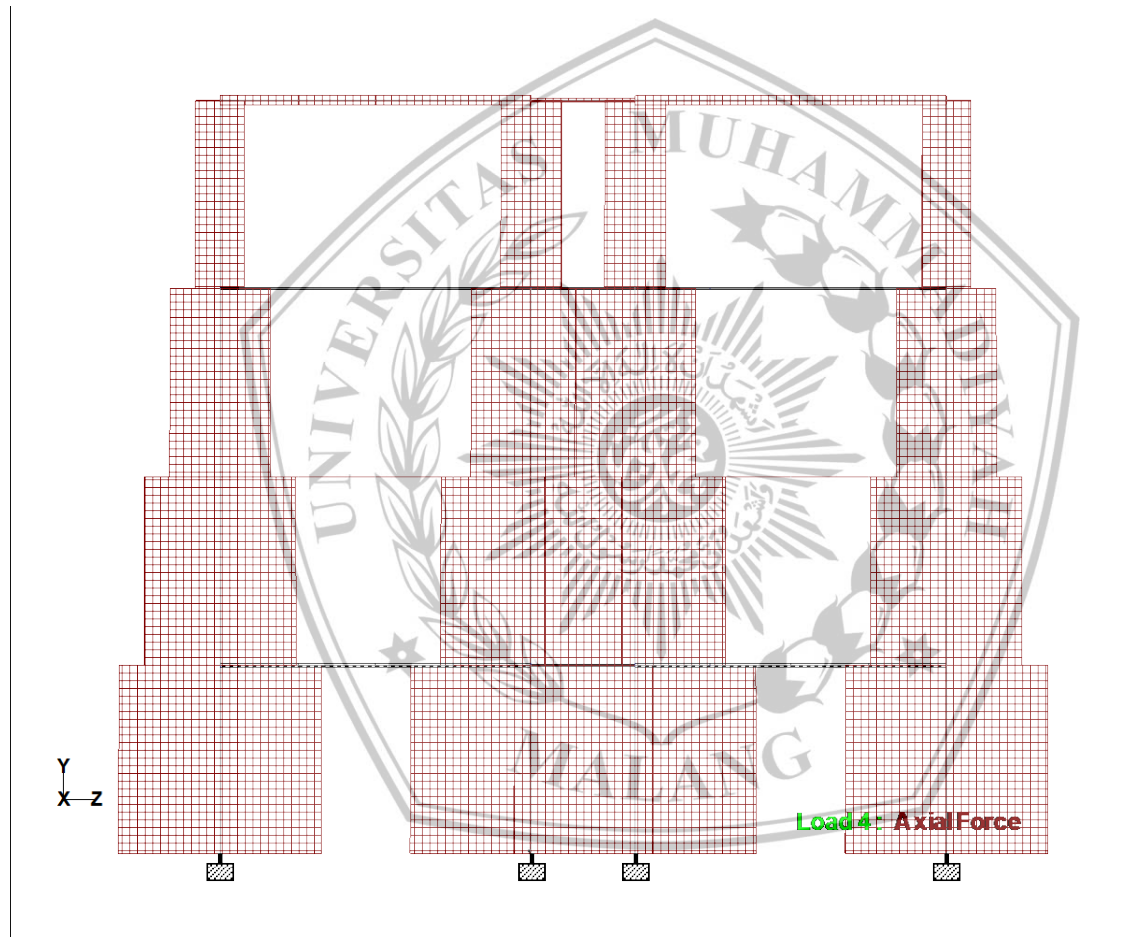
LAMPIRAN 1

LAMPIRAN 2



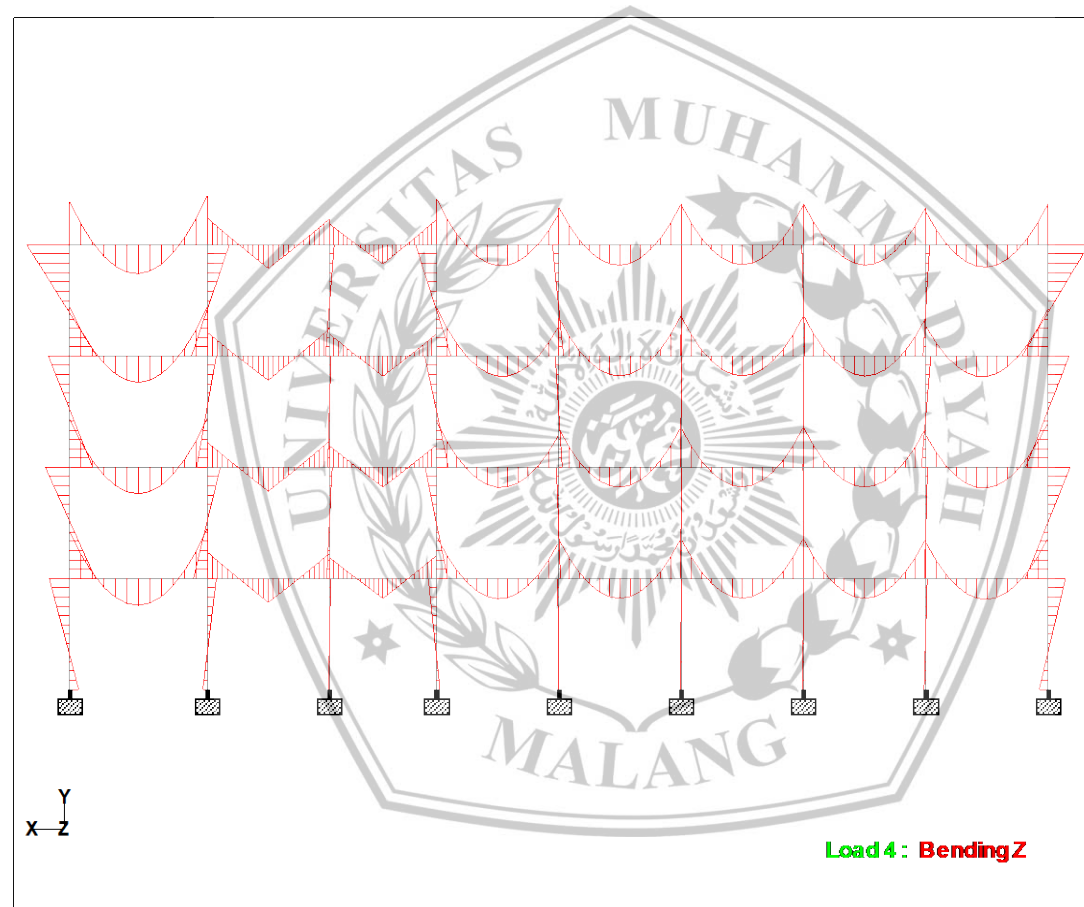
Gaya geser untuk portal melintang post komposit

LAMPIRAN 3



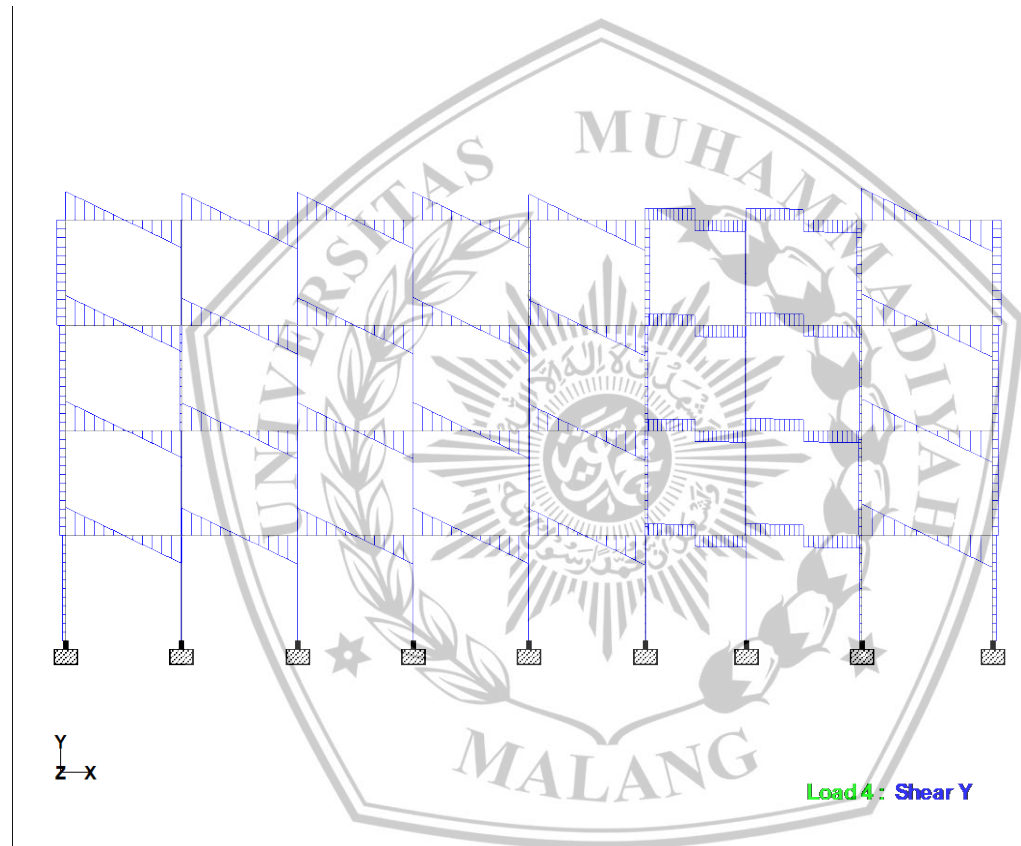
Gambar gaya aksial portal melintang

LAMPIRAN 4



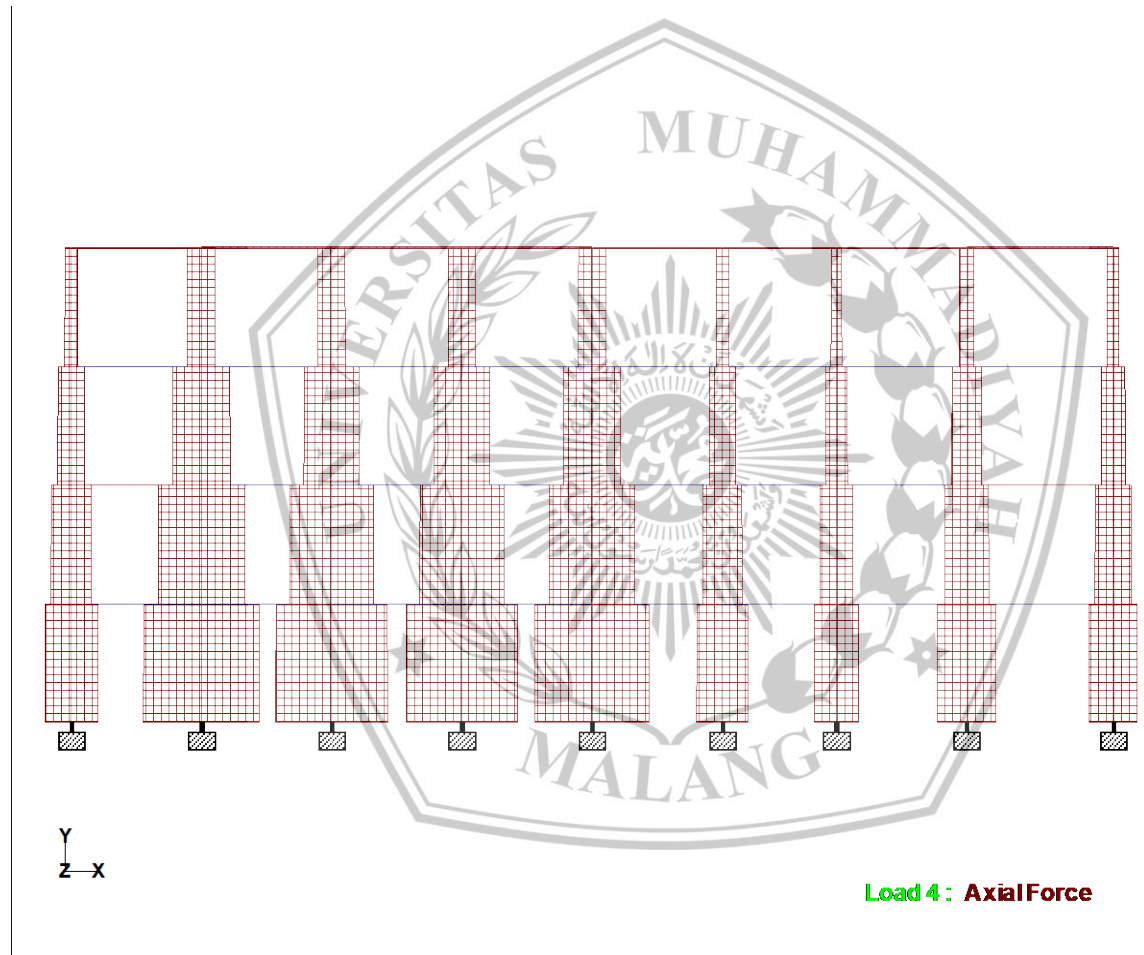
Gambar momen portal memanjang post komposit

LAMPIRAN 5



Gambar gaya geser portal memanjang

LAMPIRAN 6



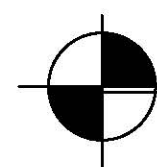
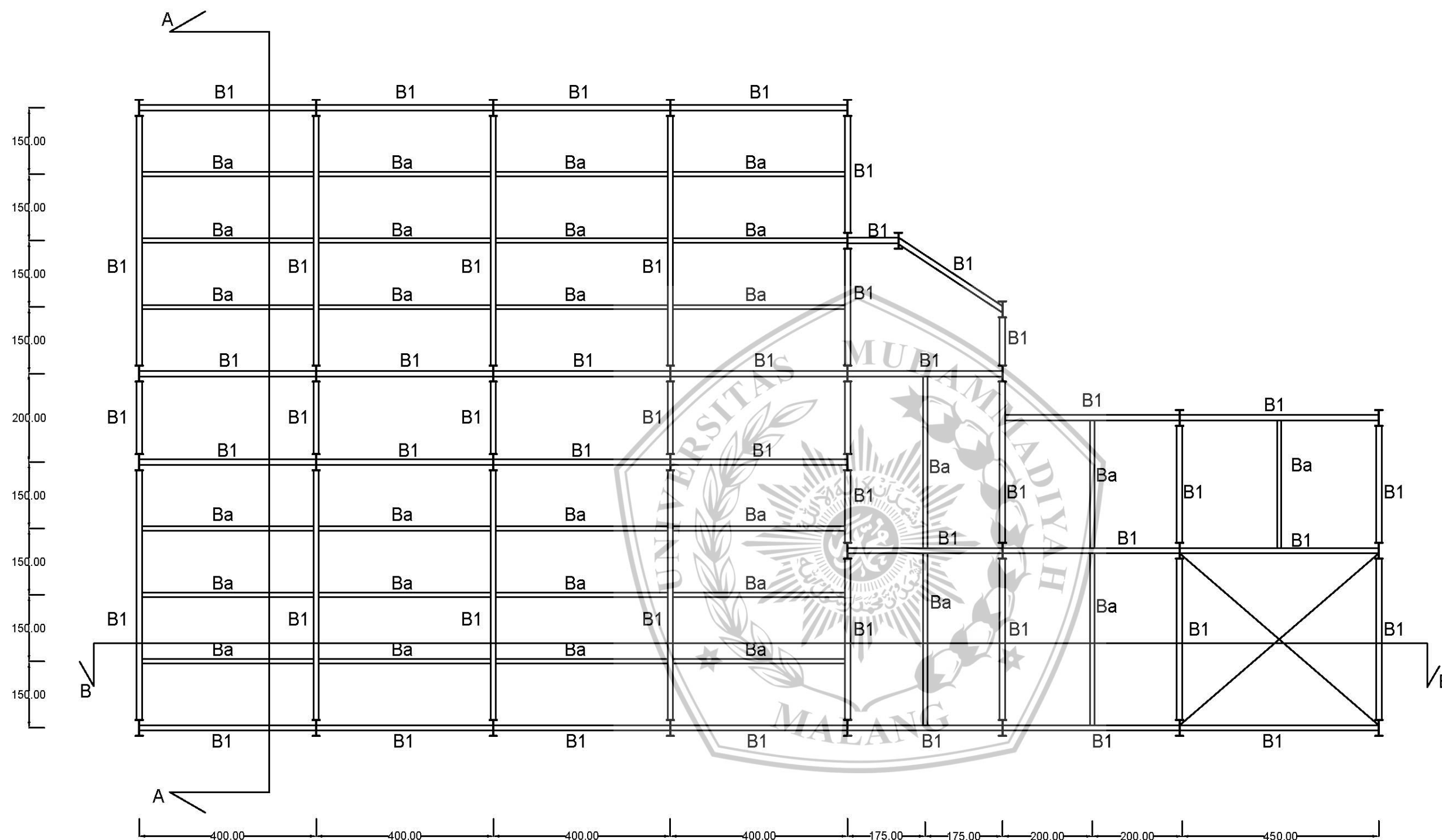
Gambar gaya aksial portal memanjang post komposit

LAMPIRAN 7

Beam Force Detail Summary

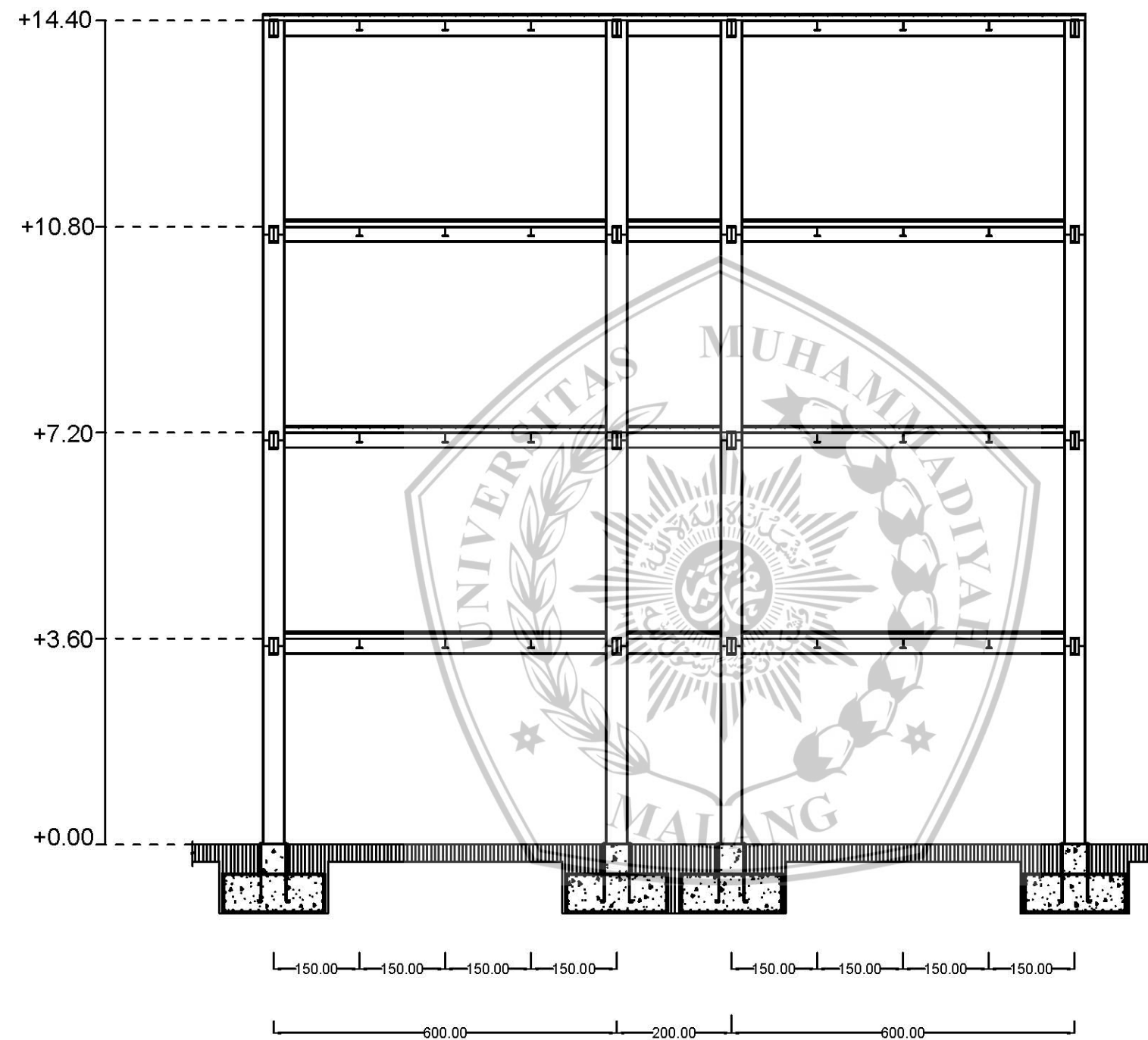
Sign convention as diagrams:- positive above line, negative below line except Fx where positive is compression. Distance d is given from beam end A.

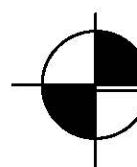
Force	Beam	L/C	d (m)	Axial	Shear		Torsion	Bending	
				F _x (kN)	F _y (kN)	F _z (kN)	M _x (kNm)	M _y (kNm)	M _z (kNm)
Max F _x	26	4:BEBAN TETAP	3.600	466.788	-0.335	-4.770	-0.000	-5.704	0.755
Max F _y	577	4:BEBAN TETAP	0.000	17.176	69.870	-0.303	-0.003	0.190	73.502
Min F _y	31	5:BEBAN SEMENTARA	1.500	4.969	-69.862	0.633	0.009	0.518	90.282
Max F _z	215	5:BEBAN SEMENTARA	0.000	273.691	10.113	23.633	-0.001	-42.467	19.155
Min F _z	568	4:BEBAN TETAP	0.000	93.368	-0.596	-17.259	0.000	33.552	-1.297
Max M _x	703	4:BEBAN TETAP	0.000	3.065	20.709	0.046	0.097	-0.070	12.268
Min M _x	702	4:BEBAN TETAP	0.000	1.776	-14.992	-0.136	-0.162	0.026	2.216
Max M _y	215	5:BEBAN SEMENTARA	3.600	275.778	10.113	23.633	-0.001	42.611	-17.251
Min M _y	215	5:BEBAN SEMENTARA	0.000	273.691	10.113	23.633	-0.001	-42.467	19.155
Max M _z	31	5:BEBAN SEMENTARA	1.500	4.969	-69.862	0.633	0.009	0.518	90.282
Min M _z	574	4:BEBAN TETAP	1.500	17.244	27.022	-0.079	-0.002	-0.057	-70.800



DENAH BALOK & KOLOM LANTAI 2 - 4
SKALA 1 : 100

KETERANGAN	BALOK ANAK Ba	BALOK INDUK B1	KOLOM
SKALA 1 : 20			
DIMENSI	WF 150 X 100 X 6 X 9	WF 250 X 120 X 6 X 9	WF 350 X 175 X 7 X 11
Fy	250 MPa	290 MPa	290 MPa
Fu	400 MPa	500 MPa	500 MPa



 POTONGAN A - A
SKALA 1 : 100

FAKULTAS TEKNIK
JURUSAN TEKNIK SIPIL

UNIVERSITAS
MUHAMMADIYAH
MALANG
SKRIPSI

PERENCANAAN ULANG
STRUKTUR MA'HAD
MAN 2 MALANG
DENGAN STRUKTUR
BAJA KOMPOSIT

DOSEN PEMBIMBING
Ir. Rofukatul Karimah, MT

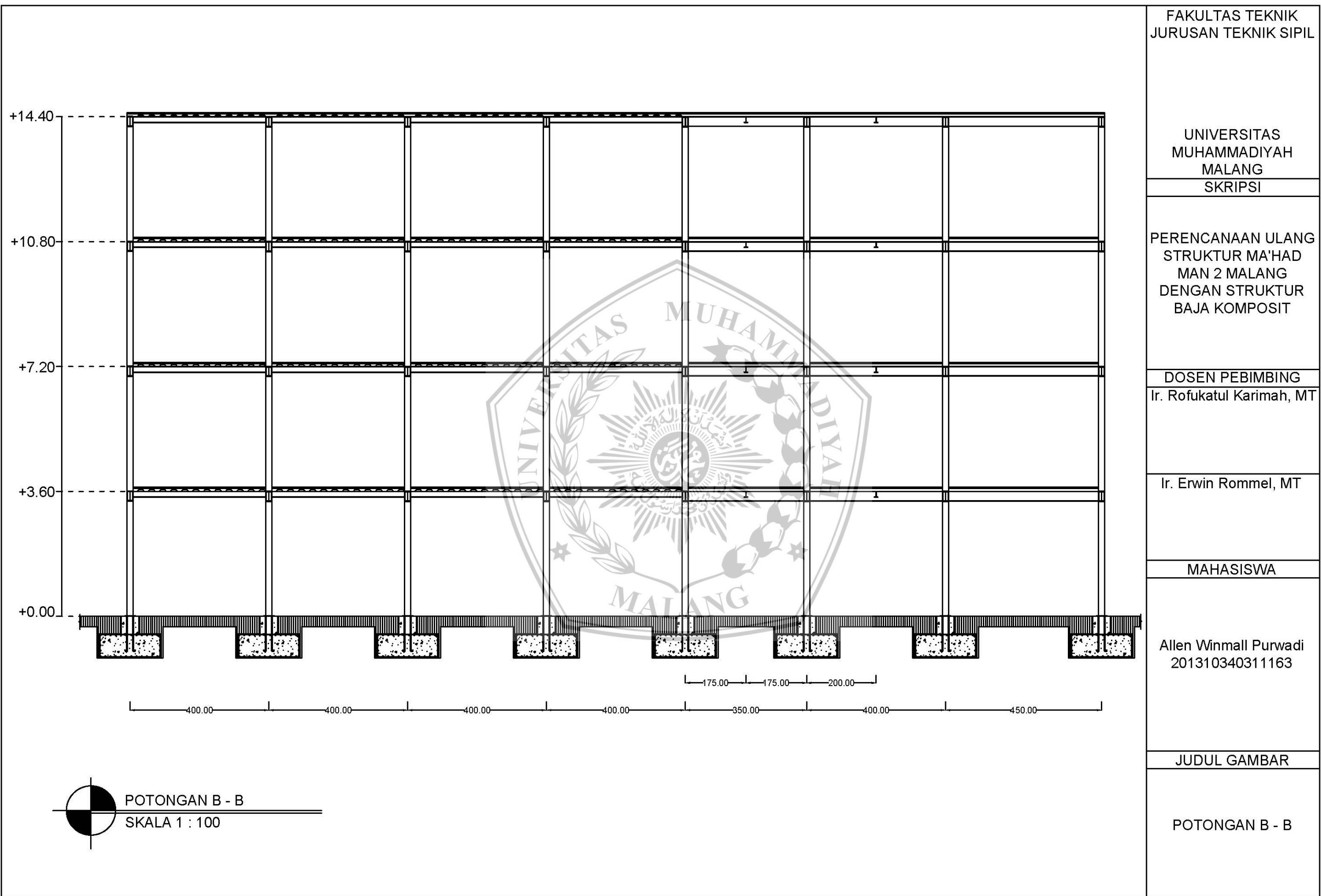
Ir. Erwin Rommel, MT

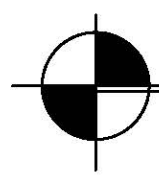
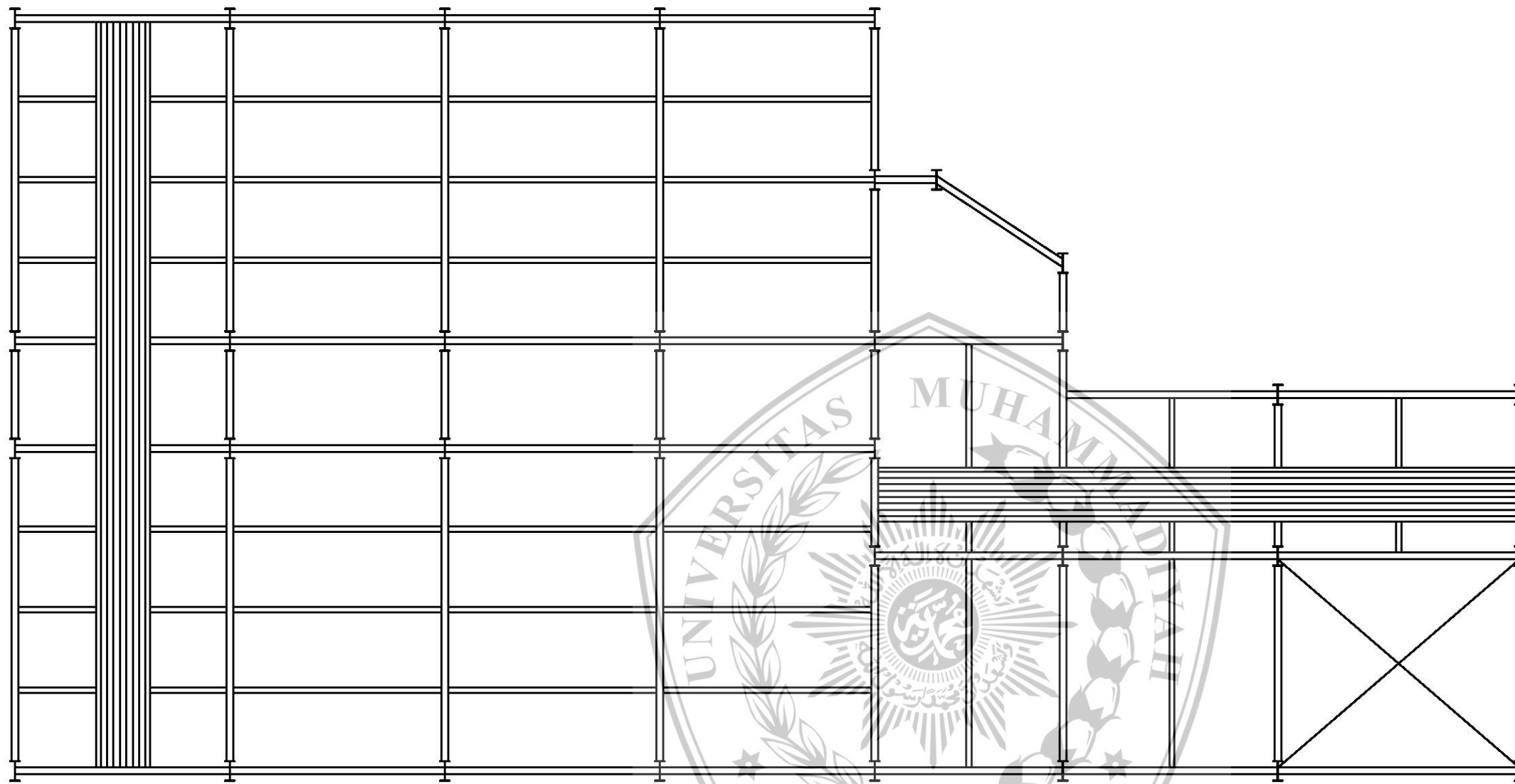
MAHASISWA

Allen Winmall Purwadi
201310340311163

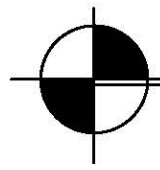
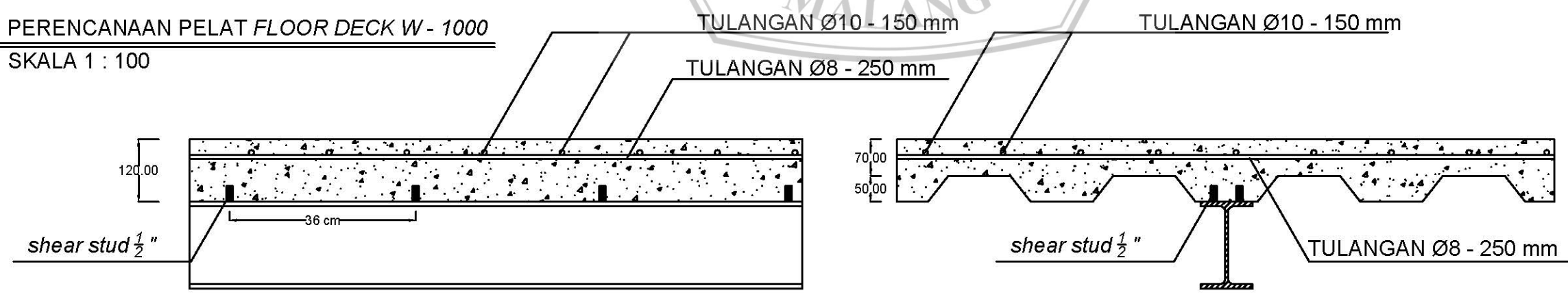
JUDUL GAMBAR

POTONGAN A - A





PERENCANAAN PELAT FLOOR DECK W - 1000
SKALA 1 : 100



DETAIL PELAT FLOOR DECK W - 1000
SKALA 1 : 10

FAKULTAS TEKNIK
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UNIVERSITAS
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SKRIPSI

PERENCANAAN ULANG
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BAJA KOMPOSIT

DOSEN PEMBIMBING
Ir. Rofukatul Karimah, MT

Ir. Erwin Rommel, MT

MAHASISWA

Allen Winmall Purwadi
201310340311163

JUDUL GAMBAR

PERENCANAAN PELAT

